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## PRO SORB Material Safety Data Sheet

Effective Date: Oct. 2010

### 1) Product Identification:

Product name: PRO SORB  
Product use: Stabilization of humidity, gas drying  
Supplier: Christoph Waller **Long Life for Art**,  
Hauptstr. 47, D- 79356 Eichstetten, Tel.: +49 7663 608 99-0  
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### 2) Composition/Information on Ingredients:

Ingredient	Weight in Product	EC Index No	EC EINECS No	Classification
Amorphous Aluminosilica Gel 1327-36-2	100%	n.a.	215-475-1	n.a.

### 3) Hazards Identification:

Most important hazards: Classification according to the European Directive on classification of hazardous preparations 1999/45/EC. Not regarded as a health or environmental hazard under current legislation.

Specific hazards: Spheres: Material is slippery Dust affects respiratory system, causes irritation to eyes. Active material absorbs gases and vapours Risk of static discharges.

### 4) First Aid Measures:

General: Do not breathe dust  
Wash hands before breaks and immediately after handling the product.  
No hazards which require special first aid measures

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Give several glasses of water to dilute, If large amounts were swallowed, get medical advice.

Skin Contact: Wash exposed area with soap and water. Get medical advice if irritation develops

Eye Contact: Immediately flush eyes with plenty of water: If symptoms persist, call a physician.

## 5) Fire Fighting Measures:

Fire Extinguishing Media	The product itself does not burn. Standard procedure for chemical fires
Explosion	Not considered to be an explosion hazard
Not use	not applicable
Special Information	Product on the ground may have a slippery effect.

## 6) Accidental Release Measures:

Methods for cleaning up	Contain spillage. Scoop up or vacuum into a container for reclamation or disposal. Avoid dusting
Personal precautions	Avoid dust formation. Use personal protective equipment
Environmental Precautions:	No special environmental precautions required

## 7) Handling and Storage:

General advice	Keep Containers dry and tightly closed to avoid moisture adsorption and contamination. Keep in a dry, cool place.
Handling and storage	Product on the ground may have a slippery effect. Avoid contact with skin and eyes

## 8) Exposure Controls/Personal Protection

Engineering measures	Ensure adequate ventilation, especially in confined areas
Hygiene measures	Wash hands before breaks and immediately after handling the product
Personal Protective Equipment	Safety glasses with side-shields. Lightweight protective clothing
Respiratory Protection	Dust: Use approved respiratory protection if exposure limits are exceeded or overexposure is likely. (dust filter type P1)
Protective gloves	rubber or plastic gloves
Ventilation	Local exhaust ventilation is recommended to control exposure to within applicable limits.

<b>Ingredient</b>	<b>Weight in Product (%)</b>	<b>ACGIH TLV: EU</b>	<b>Occupational Exposure Limits</b>
Amorphous Aluminosilica Gel 1327-36-2	100	None established	4 mg/m <sup>3</sup> (Inhalable fraction, General dust limit

## 9) Physical and Chemical Properties

Appearance	brown /light brown bead
Odor	None
Solubility	Insoluble
Boiling Point	2980°C
Melting Point	>1000°C
Bulk density	400 -900 kg / m <sup>3</sup>
Vapor density	Not applicable
Vapor pressure	Not applicable
pH	app.4
Flash point °C	Not applicable
autoignition temperature °C	Not applicable
Lower Explosive Limit %	Not applicable
Upper Explosive Limit %	Not applicable

## 10) Stability and Reactivity

Stability Data	Stable up to 823 °C. Above this temperature Amorphous Silica will transform into Crystalline Silica
Hazardous Decomposition Products	Fresh material: none anticipated Used material: In case of fire the adsorbed gases and vapours can be set free.
Polymerization	Will not occur
Incompatibility (Materials to Avoid)	This material is a desiccant and can absorb water or organic liquids and vapors with some generation of heat.
Polymerisation	None anticipated

## 11) Toxicological Information

Information on Product:	Avoid dust formation.
Chronic Toxicity	Prolonged exposure may cause chronic effects
Potential Health Effects:	May result in drying of mucous membranes.
Inhalation:	May cause irritation of the respiratory tract.
Ingestion	May cause stomach discomfort
Skin Contact	May cause skin irritation. Drying
Eye Contact	Causes eye irritation
Chronic Health Hazards	Prolonged or repeated exposure to dust may cause pulmonary problems

Information on Components	Ingredient Weight in Product	Acute Toxicity Oral	Acute Toxicity Inhalation	Acute Toxicity Dermal	Acute Toxicity Other
Amorphous Aluminosilica Gel 1327-36-2	100	Not Available	Not Available	Not Available	Not Available

## Carcinogenicity

Information on Components	Ingredient Weight in Product	IARC (See Notes)	ACGIH (See Notes)	EU Carcinogenicity (See Notes)
Amorphous Aluminosilica Gel 1327-36-2	100	N3	N	N

## 12) Ecological Information

Information on Product	No data available to the best of our knowledge
Environmental Fate	
Mobility	Not relevant. Insoluble in water
Persistence/Degradeability	No data available to the best of our knowledge
Ecotoxicological Information	No data available

## 13) Disposal Consideration

Disposal of Waste Method	In accordance with local and national regulations
Product code	101201
Contaminated Packaging	Empty contaminated containers/packaging must be handled according to regulations as given for the hazardous properties of the contamination.
Other Information	Used product may have different hazards or properties than the original product. This SDS does NOT apply to spent/used product

## 14) Transport Information

ADR/RID	Not Regulated
Class:	
IMO/IMDG	Not Regulated
EmS No.:	
ICAO/IATA	Not Regulated
ICAO Class	

## 15) Regulatory Information:

Europe: Indication of Danger	Not a Dangerous Preparation under current legislation
Category of Danger	None
Risk Phrases	Not applicable
Safety Phrases	Not applicable
Water endangering class	Not water endangering according to VwVwSof 17 May 1999 (German Legislation)
Waste disposal number	For fresh product 06 08 99 (European Waste disposal number)

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## 16) Other Information

Revision number  
Sections Revised in this Version

All Sections: Reissue from a new MSDS authoring system, and safety data sheet re-classified according to the European Directive on classification of hazardous preparations article 14 of Directive 1999/45/EC

Prepared By:

Christoph Waller Long Life for Art according to the European regulations 1999/45, 2001/60, 2001/58 and 2001/59 which are mandatory per 31. 7. 2002.

The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and for persons working with or handling this product. The information presented in the SDS is premised upon proper handling and anticipated uses, and is for the material without chemical additions/alterations. We believe this information to be reliable and up-to-date as of the date of publication, but make no warranty that it is. Additionally, if this Safety Data Sheet is more than three years old, please contact the supplier listed at the phone number listed in Section 1 to make certain that this sheet is current.  
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